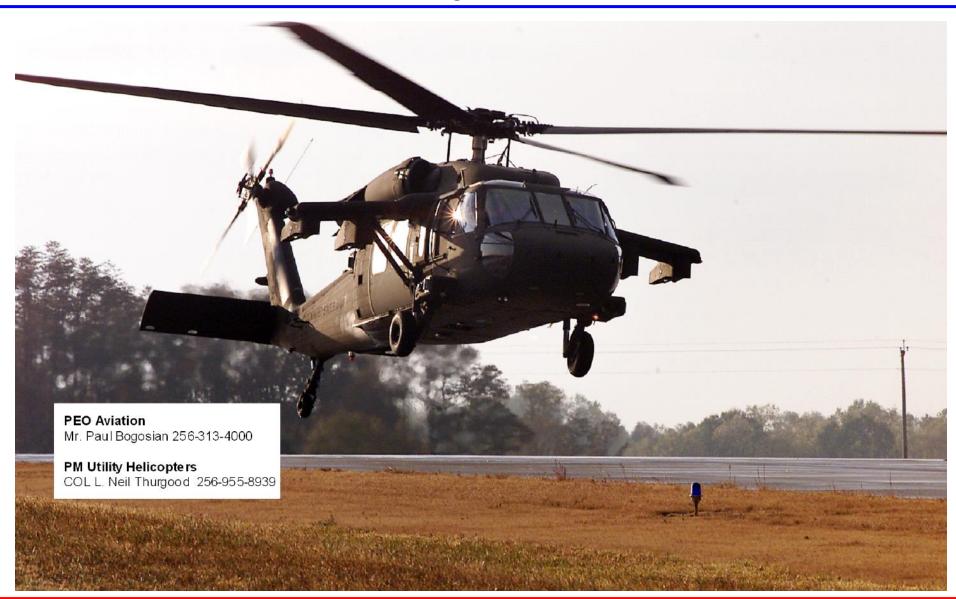


BLACKHAWK





BLACK HAWK-

October 14, 2008 MAJ David R. Cheney, SAAL-SAI, 703-604-7067 CW5 John F. Reid, DAPR-FDV, 703-693-4516

Illustration / Cutaway

Airframe Improvements

- Reduce O&S *
- Increased R&M *
- Standardize Fleet
- More Robust in EMI Environment
- Increased Crashworthiness

Propulsion Improvements

- Increased Lift and Range*
- Reduced O&S Costs *
- Increased R&M *
- Standardize Fleet
- Increased Survivability
- Rotor brake

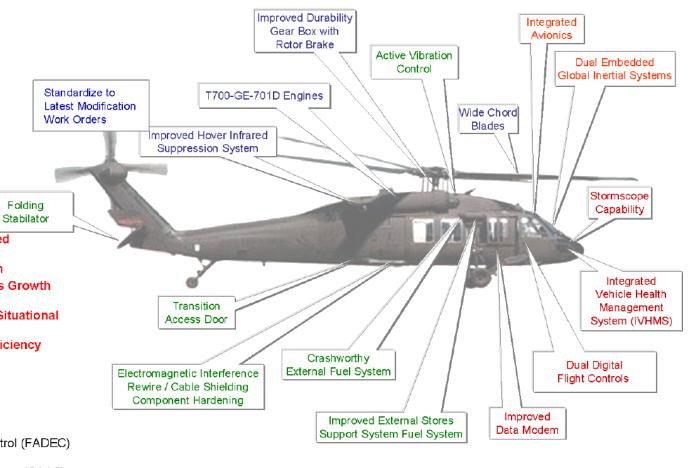
Cockpit Digitization

- Operate on/Integrate with Digitized Battlefield
- Long-Range Precision Navigation
- Open System Architecture Allows Growth Capability
- Enhanced Survivability through Situational Awareness
- Increased Pilot Mission Mgmt Efficiency
- Fully Coupled Flight Director
- Digital Map

Upgrade

- Fly By Wire (FBW)
- Full Authority Digital Electronic Control (FADEC)
- Composite Tail Cone
- Common Avionics Architecture System (CAAS)

* Compared to UH-60A





System Description

Mission Statement:

Air Assault, General Support, Aeromedical Evacuation (MEDEVAC), Command and Control, Special Operations

Characteristics / Description:

MODEL: UH-60A/Q UH-60L/ UH-60M/ Pavload HH-60L HH-60M (troops/lbs): 11/2640 11/2640 11/3190 Cruise (kts): 149 155 142 Rate Climb (fpm): 814 1553 1315 9000 Cargo Hook (lbs): 8000 9000 Engines (2ea): 700 -701D -701C Max WT (lbs): 20250 22000 22000

Capability / Improvements:

MODERNIZED UH-60M:
Integrated Digital Glass Cockpit
Supports Digitized Battlefield
Day/Night VFR/IFR
Improved Situational Awareness
Engine Upgrade Improves Lift and Range
Expanded Operations in Inclement Weather
Improved Handling Characteristics
Reduces Operations and Support Costs

Special Features:

Digital Map w/tactical SA overlay
Integrated Stormscope
Integrated Vehicle Health Management System
Four wide chord main rotor blades
1000+ mile self deployment with external stores fuel tanks
2 pintle mounted M240 machine guns w/lasersight
Fly By Wire Flight Control System (Upgrade)
Common Avionics Architecture System (Upgrade)
FADEC Equipped Engine (Upgrade)

Contractors:

Sikorsky - Stratford, CT - Prime - \$661.9M

General Electric - Lynn, MA - Engines - \$90.6M

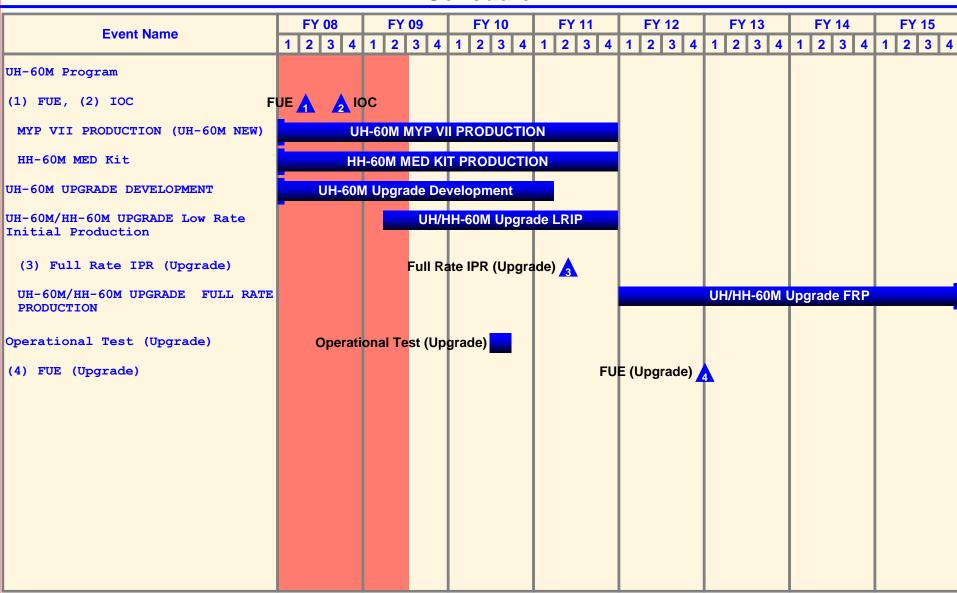
Rockwell Collins - Cedar Rapids, IA - Avionics - \$79.1M

NYF CORP - East Berlin, CT - Fasteners - \$53.9M

Kaman Aerospace Corporation - Jacksonville, FL - Composites - \$31M



Schedule





February 8, 2008 Larry Moss, SAAL-SAI, 703-604-7055 CW5 John Reid, DAPR-FDV, 703-693-4516

Program Funding

FY08 President's	Budget (AF	3.0 As o	f January	26, 2007)							
	Prior	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	CTC	Total
273744/504	363.6	116.3	125.5	87.9	34.1	35.5	40.9	44.7	44.7	1,363.5	2,256.8
A05002 (MYP)	10,285.7	672.2	1,080.7	705.4	1,031.7	1,058.6	920.0	1,133.8	1,228.3	15,596.7	33,713.2
AA0492 (MODS)	750.8	59.0	58.0	13.0	11.0	11.0	11.0	12.0	12.5	257.7	1,195.9
QTYA05002	1,631	49	59	42	64	65	46	60	63	806	2,885
Total	11,400.1	847.5	1,264.2	806.3	1,076.8	1,105.1	971.9	1,190.6	1,285.5	17,217.9	37,165.9
FY09 President's	Budget (AF	3.0 As o	f January	2, 2008)							
	Prior	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	CTC	Total
273744/504	363.6	116.3	123.0	95.7	33.9	35.2	40.6	44.4	44.5	1,363.5	2,260.7
A05002 (MYP)	10,285.7	672.2	1,271.9	1,364.8	1,063.0	1,230.6	951.5	1,058.3	1,154.4	14,223.5	33,275.8
AA0492 (MODS)	750.8	59.0	67.8	24.7	10.9	10.9	10.9	11.9	12.4	257.7	1,217.0
QTYA05002	1,631	49	72	78	63	72	46	52	60	762	2,885
Total	11,400.1	847.5	1,462.7	1,485.2	1,107.8	1,276.7	1,003.0	1,114.6	1,211.2	15,844.7	36,753.5
Prg Chg	- 0 -	- 0 -	198.5	678.9	31.0	171.6	31.1	-76.0	-74.3	-1,373.2	-412.4

FY09 PB 10-13 RDTE: \$164.7

FY09 PB 10-13 PROCUREMENT: \$4,440.9

FY09 PB 10-13 OMA: \$160.2



Requirements and Unit Costs

QUANTITY / REQUIREMENTS	
TOTAL REQ'T:	1931
- FORCE STRUCTURE	
- MTOE	1030
- MEDEVAC	444
- MH-60	72
- SUSTAINMENT/TDA/OTHER	385
ACQUISITION OBJECTIVE:	1931
PROCUREMENT OBJECTIVE	1931

		FIELDING		
	UNIT	ORG	QTY	UH-60M
	THEATER	BN	8	FUE: 2Q FY08 IOC: 3Q FY08
	MCO	BDE	122	
	DIV	BDE (LT)	38	
	DIV	BDE (HV)	38	
	ACR	ACR	10	
	MEDEVAC	CONUS	12	
	* OCONUS	MEDEVAC	12	
-10				

UNIT COST DATA				
OVER THE TOTAL	PROGRAM TY\$			
Unit Costs (\$M)	Then-Year \$			

Unit Costs (\$M)	Then-Year \$
UH-60M Flyaway Cost	18.363
UH-60M Wpn Sys Cost	18.703
UH-60M Proc Cost	18.957
UH-60M Prog Acq Cost	19.483
UH-60M QTY 1235*	

*UH-60M QTY is 1227 production plus 8 prototypes from FY02-FY25

Note: Includes only UH-60M cost data.

Program (\$M)	Then-Year \$
RDTE	8.008
Proc	23260.3
MCA	0
Total Program	24061.1

Source FY09 President's Budget

Note: Includes Only UH-60M Cost Data



Current Status

• Cost:

Current Flyaway: \$18.363M

UH-60M: ADM signed June 2007 authorizing entry into Full Rate Production (FRP) to include UH-60M and HH-60M Baseline aircraft, and advanced procurement to support cut-in aircraft for the UH/HH-60M Upgrade effort.

Schedule:

UH-60M: MY VII contract awarded on December 12, 2007. Seventy-seven have been delivered.

Technical:

Completed Block I software ground testing and HH-60M noise floor testing in support of First Unit Equipped (FUE). Completed CAAS Red Label v1.1 Flight Qualification Test (FQT) for first flight avionics software and Baseline communications testing. Conducted gun mount validation/verification for completed Electronic Standby Instrument System Flight Test. Successful first flight of UH-60M Upgrade aircraft on August 29, 2008.

• Fielding:

FUE UH-60M Baseline Aircraft February 29, 2008.

IOC UH-60M Baseline Aircraft June 2008.

FUE UH-60M Upgrade Aircraft projected October 2012.

• Funding:

FY09 RDTE: \$31.936M UH-60M Upgrade; \$1.974M ACIP (FADEC)

FY09 PROC: \$1,063.0M UH-60M and HH-60M

FY09 MODS: \$7.8M CEFS; \$3.1M Brigade Sets

FY10 RDTE: \$29.087M UH-60M Upgrade; \$4.925M ACIP (FADEC)

FY10 PROC: \$1,050.7M UH-60M and HH-60M

FY10 MODS: \$10.9M CEFS; \$57.0M UH-60A to UH-60L Conversion

• Issues:

FY 11 procurement quantity is currently 46. Additional funding is required in FY11 to increase annual procurement to base quantity of 60 aircraft per year.